

IN THE CLAIMS

1. (currently amended) A method for transforming data formats between different database systems including a host computer and a disk storage device for storing data, said method comprising the steps of:

providing in said host computer a skeleton program for instructing data format transformation, and a first communication program for communication with said disk storage device;

providing in said disk storage device a data format transforming program for executing data format transformation and a second communication program for communication with said host computer;

sending, from said skeleton program, a request to said data format transformation program on said disk storage device via said first communication program at the time of data format transformation;

receiving, by said data format transformation program, the request via said second communication program;

transforming, by said data format transformation program, data having a data format which is used for an application executed on one database system into data having another data format which is used for an application executed on another database system, said data format for said one database system being different from said data format of said another database system; and

storing, by said disk storage device, said data having said another data format within said disk storage device.

wherein said request comprises:

information for specifying said data format transformation program,

an address of source data,

a size of data to be transformed, and

a destination address of transformed data.

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Claim 2 (canceled).

3. (currently amended) A host computer having a disk storage device attached for implementing a database management system, comprising:

a skeleton program for sending a request to a data format transformation program in said disk storage device to direct said data format transformation program to perform a data format transformation of data having a data format which is used for an application executed on one database system into data having another data format which is used for an application executed on another database system, said data format for said one database system being different from said data format of said another database system and to store data having said another data format within said disk storage device; and

a communication program for communication with said disk storage device,

wherein said request comprises:

information for specifying said data format transformation program,

an address of source data,

a size of data to be transformed, and

a destination address of transformed data.

Claim 4 (canceled).

5. (currently amended) A disk storage device attached to a host computer for storing data of a database management system, comprising:

a data format transformation program for performing, within said disk storage device, a data format transformation of data having a data format which is used for an application executed on one database system into data having another data format which is used for an application executed on another database system upon reception of a request from a skeleton program included in said host computer, said data format for said one database system being different from said data format of said another database system and storing data having said another data format in said disk storage device; and

a communication program for communication with said host computer,

wherein said request comprises:

information for specifying said data format transformation program,

an address of source data,

a size of data to be transformed, and

destination address of transformed data.

Claim 6 (canceled).

7. (previously presented) A method for transforming data formats between different database systems according to claim 1, wherein said disk storage device connects to another host computer.

8. (previously presented) A method for transforming data formats between different database systems according to claim 7, wherein said application of said another database system is executed in said another host computer.

9. (previously presented) A method for transforming data formats between different database systems according to claim 8, wherein said host computer is a mainframe and said another host computer is a open system computer.

10. (previously presented) A method for transforming data formats between different database systems according to claim 2, wherein said request is transferred from said host computer to said disk storage device by using the Internet Protocol (IP).

11. (previously presented) A method for transforming data formats between different database systems according to claim 2, wherein said request is transferred from said host computer to said disk storage device by using Small Computer System Interface (SCSI) protocol.

12. (previously presented) A host computer according to claim 3, wherein said request is transferred from said host computer to said disk storage device by using Transfer Control Protocol (TCP/IP).

13. (previously presented) A host computer according to claim 11, wherein said request is transferred from said host computer to said disk storage device by using SCSI protocol.

14. (currently amended) A host computer which is connectable to a disk storage device comprising:

a processor; and

a interface which is connectable to said disk storage device,

wherein said processor provides a request to direct said disk storage device to transform one data format which is used for an application executed on one database system into another data format which is used for an application executed on another database system and to store said data of said another data format in said disk storage device, said data format for said one database system being different from said data format of said another database system, and sends said request to said disk storage device via said interface,

wherein said request comprises:

information for specifying said data format transformation program,

an address of source data,

a size of data to be transformed, and

a destination address of transformed data.

15. (currently amended) A disk storage device attached to a host computer for storing data of a database management system, comprising:

a network controller which is connectable to said host computer via a network;

a disk controller connected to said network controller; and

a plurality of hard disk apparatuses connected to said disk controller,

wherein said network controller receives a request output from said host computer, reads out data of one data format which is used for an application executed in one database system from one of said plurality of hard disk apparatuses via said disk controller, transforms said data of one data format into data of another data format which is used for an application executed on the another database system, said data format for said one database system being different from said data format of said another database system, and stores said data of said another data format on the other one of said plurality of hard disk apparatuses,

wherein said request comprises:

information for specifying said data format transformation program,

an address of source data,

a size of data to be transformed, and

a destination address of transformed data.

16. (currently amended) A system comprising:

a plurality of host computers; and
a disk storage device connected to said host computers,
wherein one of said host computers provides a request and sends said
request to said disk storage device, and

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wherein said disk storage device receives said request, transforms data
having one data format which is used for an application executed on one database
system into data having another data format which is used for an application
executed on another database system, said data format for said one database
system being different from said data format of said another database system, and
stores said data having said another data format within said disk storage device,

wherein said request comprises:
information for specifying said data format transformation program,
an address of source data,
a size of data to be transformed, and
a destination address of transformed data.

17. (previously presented) A system according to claim 16, wherein
another one of said host computers provides another request and sends said
another request to said disk storage device, and

wherein said disk storage device receives said another request, transforms
said data having said another data format into data having a third data format which
is used for an application executed on a third database system, and stores said data
having said third data format within said disk storage device.

18. (new): A method for transforming data formats between different database systems according to claim1,

wherein said host computer has information so as to determine a data format transformation program in regard to data in said disk storage device, and said skeleton program selects a data format transformation program based on this information.
